

WHAT IS CLAIMED IS:

- 1 1. A noise-maker comprising:
2 an injection molded single piece body including a generally cylindrical central tube and a
3 generally cylindrical pressure tube,
4 said generally cylindrical central tube having a central tube first end and a central
5 tube second end and defining a sound chamber, said generally cylindrical
6 central tube includes a sound extension tube integrally formed with said
7 central tube second end, said sound extension tube having a discharge end,
8 said generally cylindrical pressure tube having a pressure tube first end and pressure
9 tube second end and being disposed about said generally cylindrical central
10 tube to define a pressure chamber, said pressure tube further having a
11 generally cylindrical portion having sound a cylindrical portion end which
12 tapers radially inward to define a tapered bottom, said tapered bottom being
13 connected to and integral with said central tube second end, said generally
14 cylindrical pressure tube defines a sound hole such that air or other gas may
15 be forced into said pressure chamber;
16 a membrane extending over said central tube first end and said generally cylindrical pressure
17 tube first end; and
18 a retaining ring having an inner diameter adapted to fit over said outer surface of said
19 generally cylindrical pressure tube such that said membrane is secured to and
20 stretched across said central tube first end and said pressure tube first end.
- 1 2. The noise-maker of claim 1 wherein said central tube first end lies in generally same plane as
2 said pressure tube first end.

- 1 3. The noise-maker of claim 1 wherein said central tube first end lies in a first plane and said
2 pressure tube first end lies in a second plane, the distance between said first plane and said
3 second plane defines a setback.
- 1 4. The noise-maker of claim 3 wherein said setback ranges between 0.01 mm and 0.2 mm.
- 1 5. The noise-maker of claim 1 further comprising one or more extenders removably connected
2 to said discharge end of said sound extension tube.
- 1 6. The noise-maker of claim 1 wherein the axial length of said pressure chamber is less than the
2 axial length of said sound chamber.
- 1 7. The noise-maker of claim 1 wherein said membrane is made from cellophane.